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PCT/IL 2005 / 000357
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THE UNITED STATES OF AMERICA

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April 18, 2005

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APPLICATION NUMBER: 60/562,750

FILING DATE: April 15, 2004

**By Authority of the
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This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

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Given Name (first and middle [if any]) Micha	Family Name or Surname AUERBACH	Residence (City and either State or Foreign Country) 52 Saifun Street Maccabim Israel			
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>1</u> separately numbered sheets attached hereto.					
TITLE OF THE INVENTION (280 characters max) SAFEGLOW - WIRELESS MONITORING SYSTEM FOR FLUID TANKERS					
Direct all correspondence to: CORRESPONDENCE ADDRESS <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="display: flex; align-items: center;"> <input type="checkbox"/> Customer Number <div style="border: 1px solid black; width: 150px; height: 20px; margin-left: 10px;"></div> <div style="margin-left: 20px;">→</div> </div> <div style="border: 1px solid black; padding: 5px; text-align: center; width: 200px;"> Place Customer Number Bar Code Label here </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 5px;"> OR Type Customer Number here </div>					
<input checked="" type="checkbox"/> Firm or Individual Name	ABELMAN, FRAYNE & SCHWAB Attorneys at Law				
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Country	U.S.A.	Telephone	(212) 949-9022	Fax	(212) 949-9190
ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/> Specification	Number of Pages	1	<input type="checkbox"/>	CD(s), Number	
<input checked="" type="checkbox"/> Drawing(s)	Number of sheets	6	<input type="checkbox"/>	Other (specify)	
<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76					
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT (check one)					
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.					
<input checked="" type="checkbox"/> A check or money order is enclosed to cover the filing fees					
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<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
<input checked="" type="checkbox"/> No.					
<input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are:					

SIGNATURE Jay S. Cinamon
TYPED or PRINTED NAME Jay S. Cinamon
TELEPHONE (212) 949-9022

Date	April 15, 2004
REGISTRATION NO. (if appropriate)	24,156
Docket Number:	206,505

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.51. Estimated time to complete, including gathering, preparing, and submitting the complete provisionally reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C., 20231. DO NOT SEND FEES OR COMPLETE INFORMATION TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C.,

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PROVISIONAL APPLICATION COVER SHEET

Additional Page

PTO/SB/16 (8-00)

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Docket Number	206,505	Type a plus sign (+) inside this box →	+
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Number 2 of 2

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April 14, 2004

SafeFlow – Wireless monitoring system for fluid tankers

1. General

The SafeFlow system allows real time monitoring and control of all activities associated with the operation of fluid tankers. The system includes electro-locking devices on all tanker's valves and hatches as well as monitoring tracking reader with GPS location indication and long range communication modem. The unique e-locks attached to the valves and hatches on the tanker are long lasting battery operated devices that can be monitored wirelessly from remote control centers. They are designed in specific to withstand sever environmental conditions of fluid tankers on the road.

Fuel management and tracking system controls the path of fluid tanker between the tanker's dispatch area and the downloading station. The system contains E-Locks and Barrier Seals, which are mounted on the handles of the draining valves and the filling hatches, DataReader to control the E-Locks and GPS/GPRS unit, which reports E-Locks status and tanker location to a control center. Visual indication (screens) of E-Locks status is an optional feature and can be placed either on tanker cabin or in the loading or downloading stations.

In addition to the existing AVL solutions for the Tankers themselves, the unique solution allows with relatively very low installation costs to protect all fluid tanker's valves and hatches and to provide full real time control from remote centers.

2. System components

2.1 Barrier E-Lock: Protects the valve handle and the filling hatch, senses any movement, open/close or attachment/detachment.

2.2 Tracking DataReader: Installed in driver cabin, controls all E-Locks on the truck.

2.3 GPS; GPRS or CDMA1x or TDMA unit: Indicates truck location and communicates to a control center.

2.4 Center Base station: receives/sends data and commands from truck via the GPRS or any kind of modem.

2.5 Microreader and Hand Held Terminal: optional, sets the E-Locks from short range in the station environment.

See Fig. 1 for all system components.

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UNITED STATES

ASSIGNMENT FROM INVENTOR

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned Assignor:

Micha AUERBACH – 52 Saifun Street, Maccabim, Israel
Alon ZELZION – 24 Hatchya Street, Holon, Israel
Eli GOLON – 30 Kehilat-Bavel Street, Ramat-Hasharon, Israel
Ronny COHEN – 7 Hadolev Street, Zoran, Israel
Reuvan ILYAEV – 63 Bossom Street, Tel-Aviv, Israel
Arkady GENIN – 56 Hanevin Street, Bat-Yam, Israel

hereby sells, assigns and transfers to Assignee:

HI-G-TEK LTD.
16 Hacharoshet Street
Or-Yehuda 60375

its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to, and any and all improvements which are disclosed in

(a) Provisional Patent Application for Letters Patent Serial No. _____ filed April 15, 2004

(b) Application for Letters Patent which has been executed by the undersigned concurrently herewith
and entitled

SAFEGLOW – WIRELESS MONITORING SYSTEM FOR FLUID TANKERS

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements.

The Assignee may apply for and receive the Letters Patent in its own name. When requested by the Assignee or its successors, the undersigned will execute all other patent applications; proper oaths, assignments; powers of attorney, or other papers and communicate all facts known to it relating to the improvements and the history thereof; and generally do everything possible which the Assignee or its successors shall consider desirable for aiding in securing and maintaining proper patent protection for the improvements and for vesting title in the Assignee or its successors.

Assignor warrants that he/she has the full right to convey the rights and property described herein and no assignment, grant, mortgage or license or other agreement affecting such rights and property has been made to others by the undersigned.

ASSIGNOR

Dated: 2004

By _____
Micha AUERBACH

Dated: 2004

By _____
Alon ZELZION

Dated: 2004

By _____
Eli GOLAN

Dated: 2004

By _____
Ronny COHEN

Dated: 2004

By Reuven ILYAEV

Dated: 2004

By Arkady GENIN

The undersigned declares that he/she was personally present and did see the above-named individual execute this Assignment of his/her own free will for the purposes set forth herein.

By _____

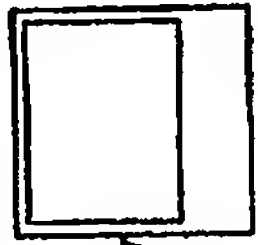
Name _____

Address _____

ABELMAN, FRAYNE & SCHWAB
150 East 42nd Street
New York, New York 10017-5612

REV	DESCRIPTION	DATE	APPROVED

REMOTE CONTROL CENTER

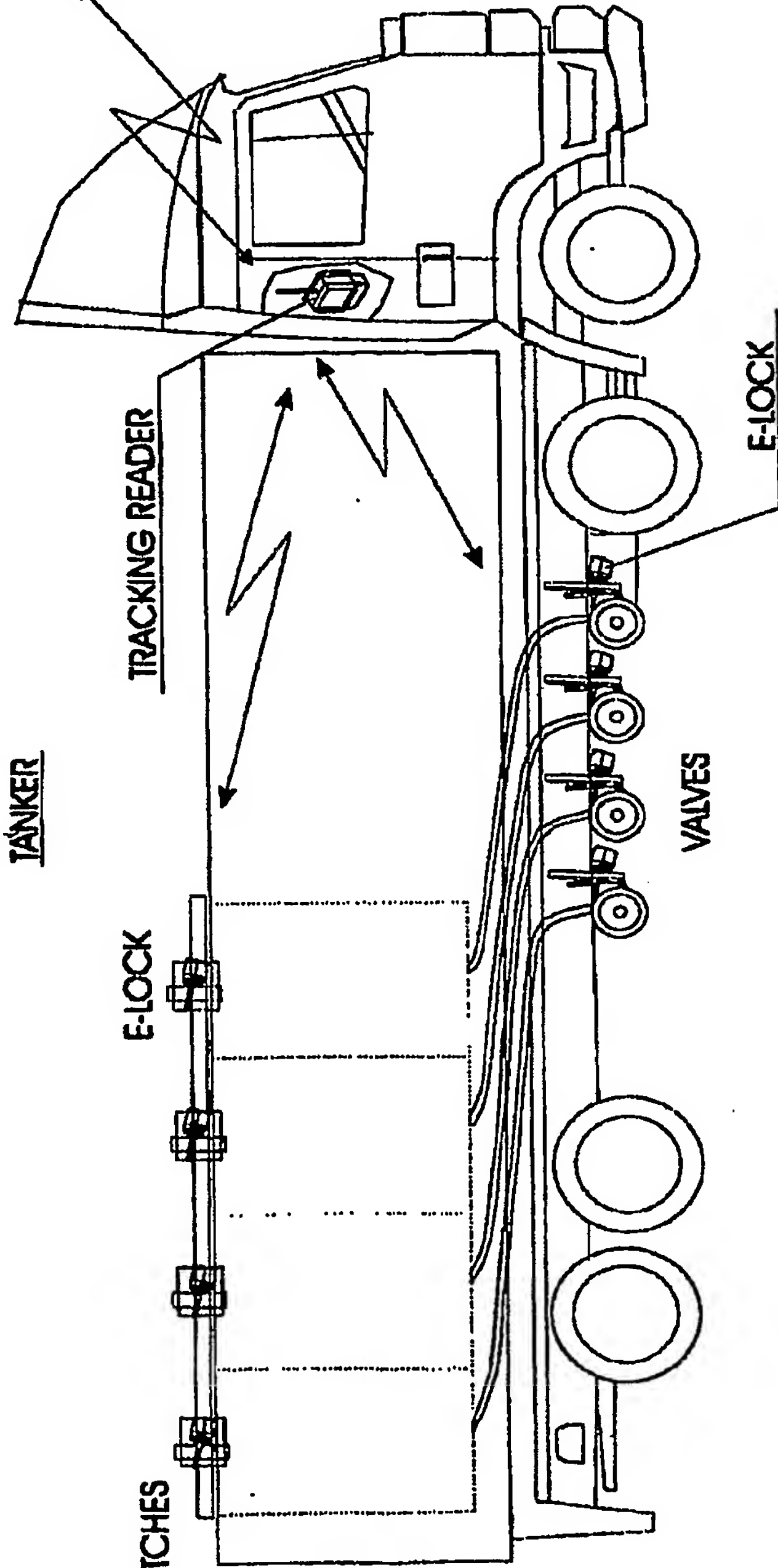


TANKER

TRACKING READER


E-LOCK

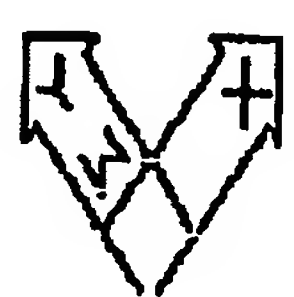
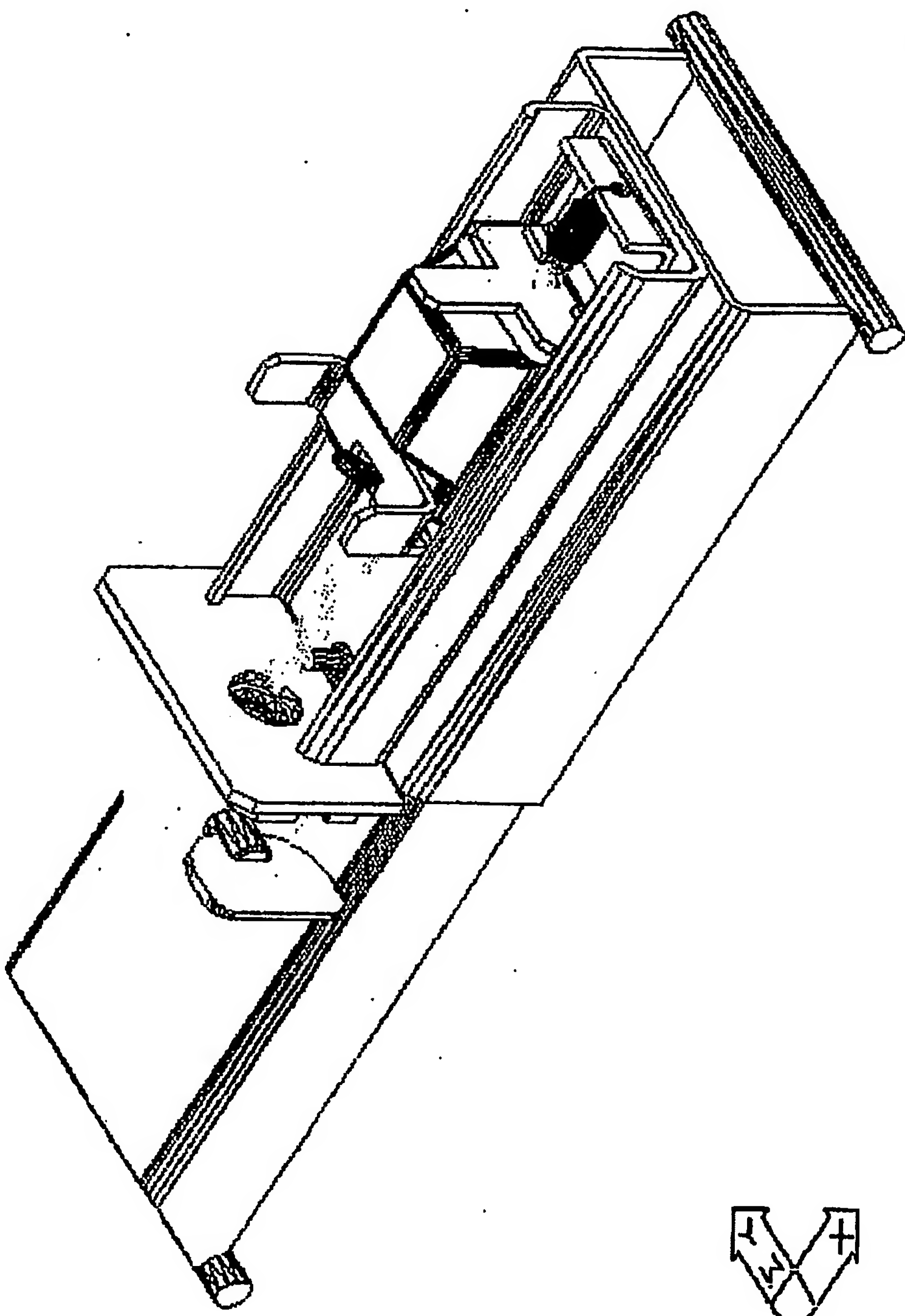
HATCHES




E-LOCK

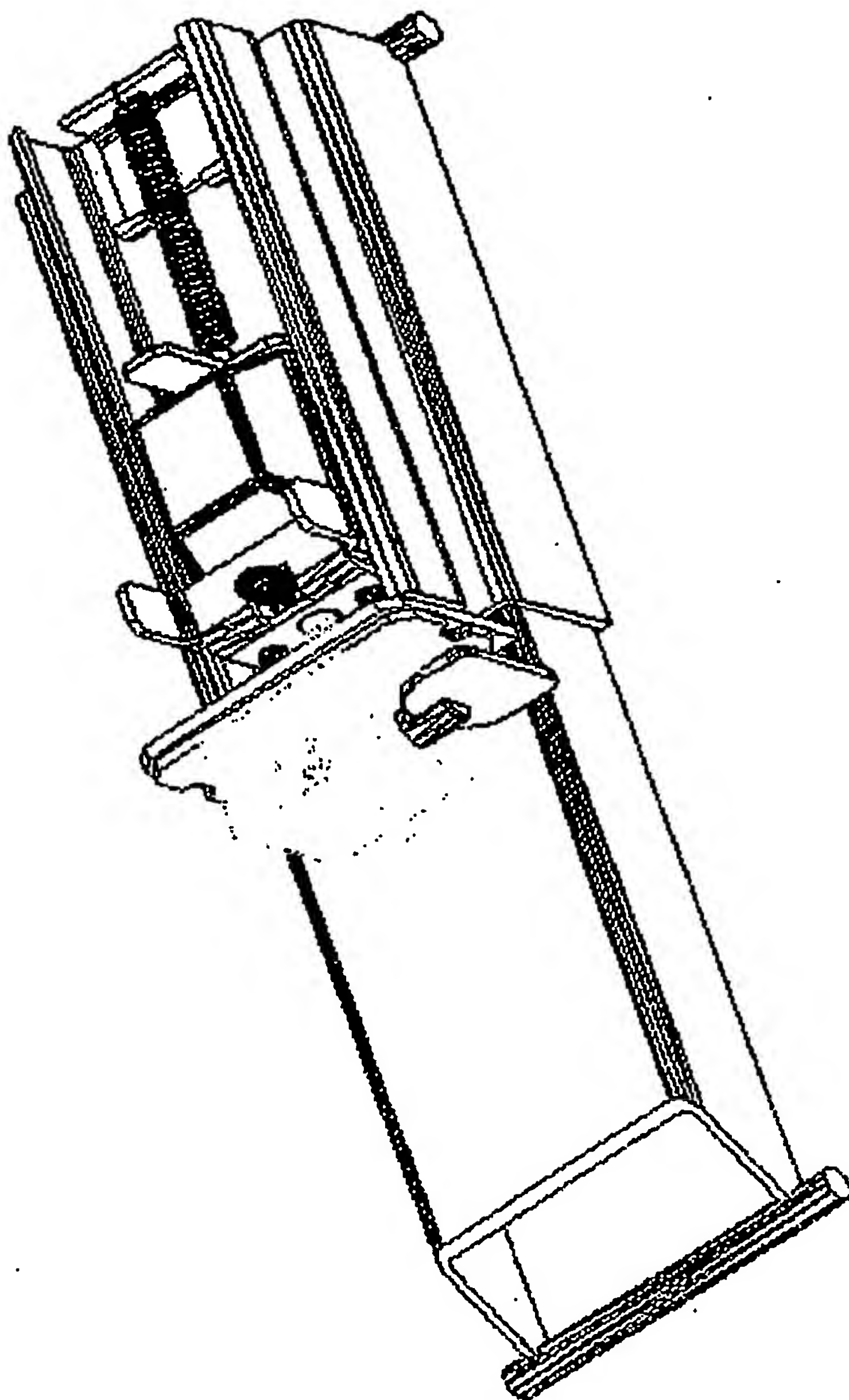
VALVES


 Hi-G-TEK 141 HIGHWAY 101 ST. CH. YEMOUK 8173 11481 TEL: +1773-833033 FAX: +1773-533025		TITLE: Fig. 1	
DATE:		REV:	
SIGNATURES:		SIZE DWG NO:	
DESIGNER:		A	
CHECKED:		SCALE: 1:1	
APPROVED:		SHEET 1 OF 1	
MATERIAL:		FINISH:	



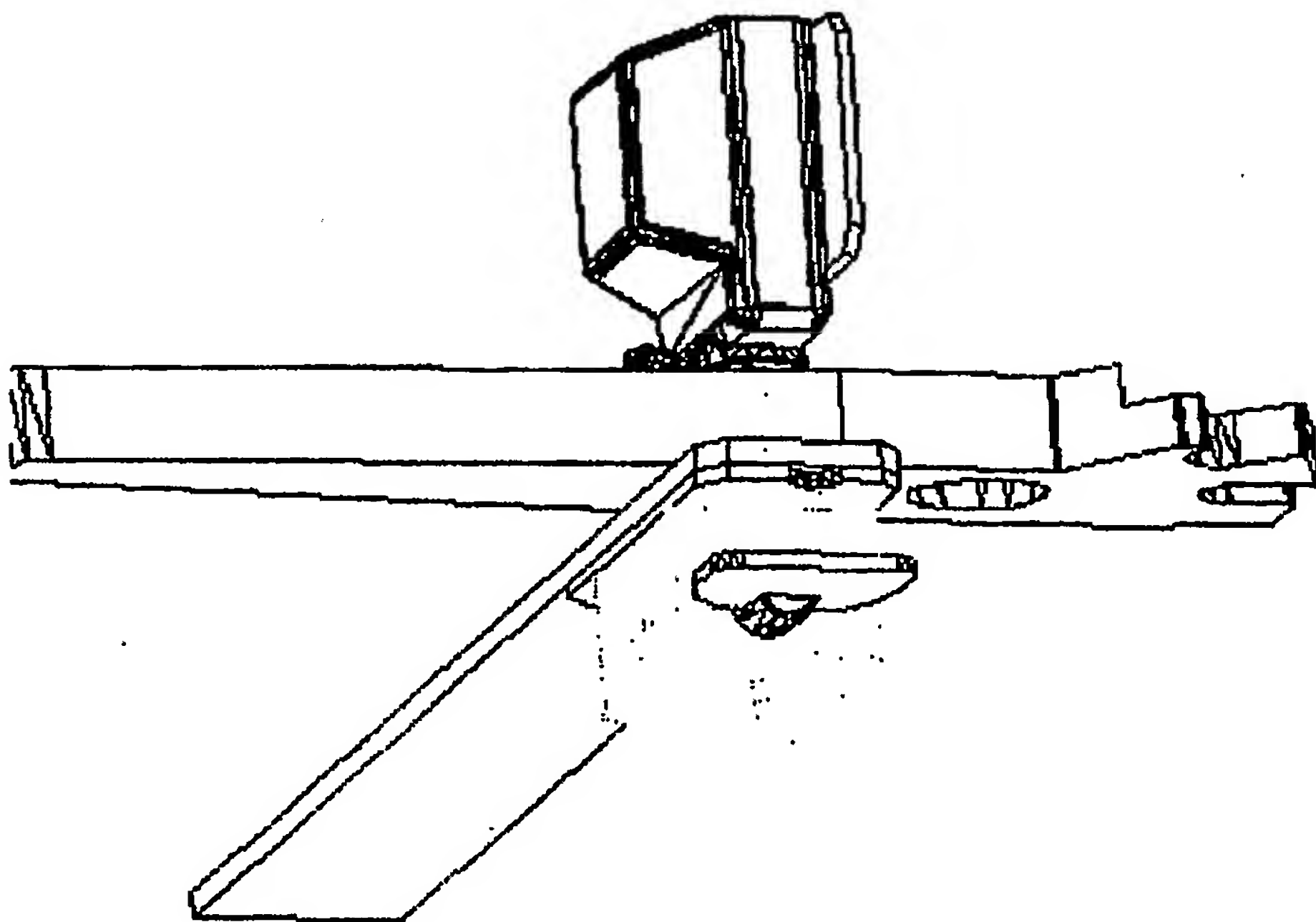
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCH		SIGNATURES		DATE	 Hi-G-TEK 88 HUGHES ST. ONTARIO, ONTARIO TEL. (416) 333-1111 FAX (416) 333-1111	
		DESIGNER			TITLE: <i>Fig 2</i>	
		CHECKED			SIZE DWG NO	
		APPROVED			A	
MATERIAL					REV	
FINISH					SCALE	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	SIGNATURES	DATE	 H-G-TEK 18 HUGHES DRIVE #1 CHATELAINVILLE ROAD TEL • (773) 343-0889 FAX • (773) 343-0825
MATERIAL			TITLE: FIG. 3
FINISH			
SIZE DWG NO		REV	
A			
SCALE 1:1			CUSTOMER'S DES.

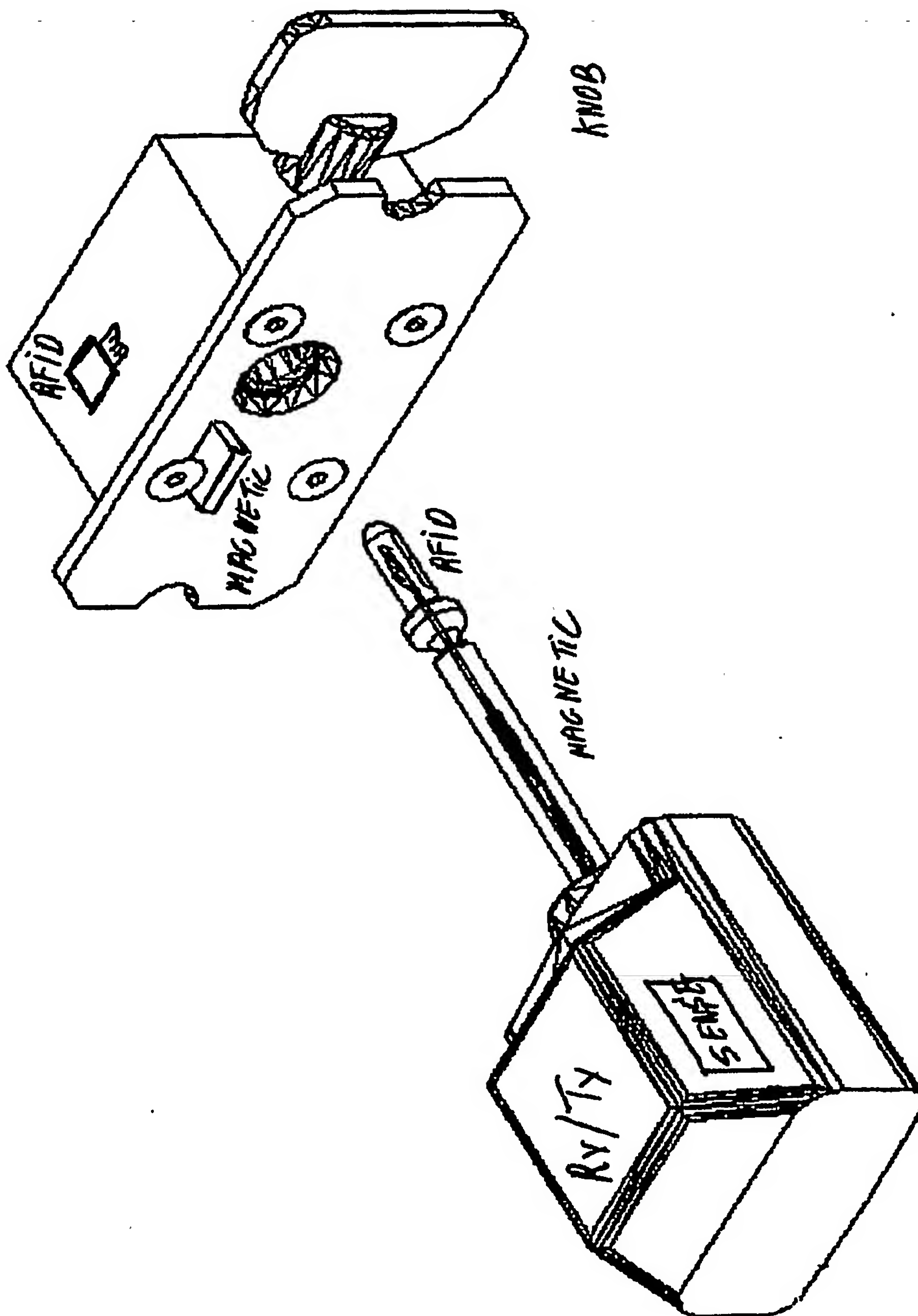
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REV	DESCRIPTION	DATE	APPROVED

Hi-G-TEK <small>18 MACHINERY ST. CHANDLER NORTH DAKOTA TEL: 472-512248 FAX: 472-512223</small>		FIG 4	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM		DATE	REV
MATERIAL		SIGNATURES DESIGNER CHECKER APPROVER	SIZE DWG NO A
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SHEET 1 OF 1		SHEET 1 OF 1	

REV	DESCRIPTION	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM		SIGNATURES	DATE	 Hi-G-TEK 11 WICHAMORSET ST. ORTHOGON METAL TEL: 972 8 9454556 FAX: 972 8 9454556	
		DESIGN		TITLE: Fig 5.	
		CHECKED		SIZE DWG NO	
		APPROVED		A	
MATERIAL				SCALE 1:1	
FINISH				SHEET 1 OF 1	

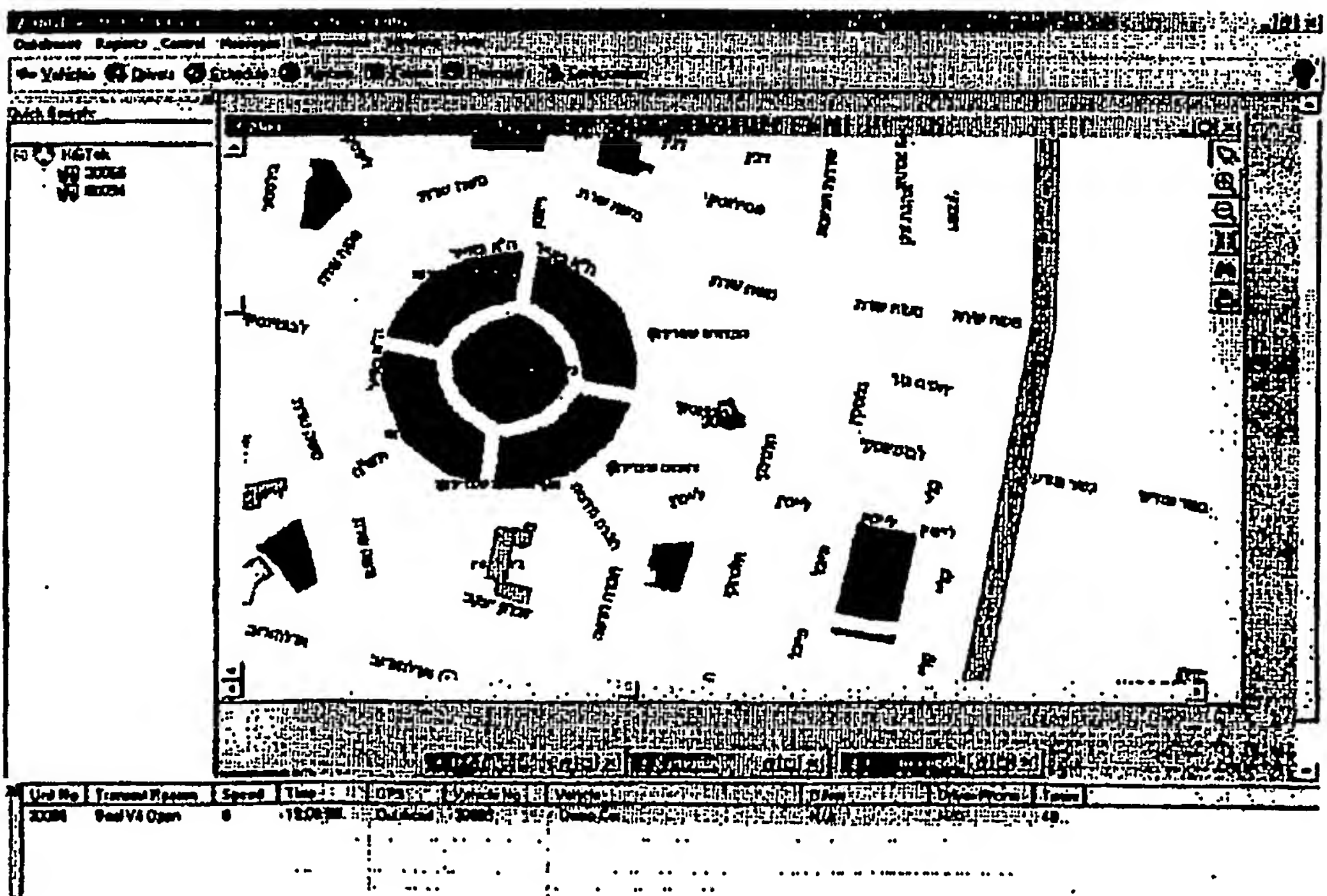
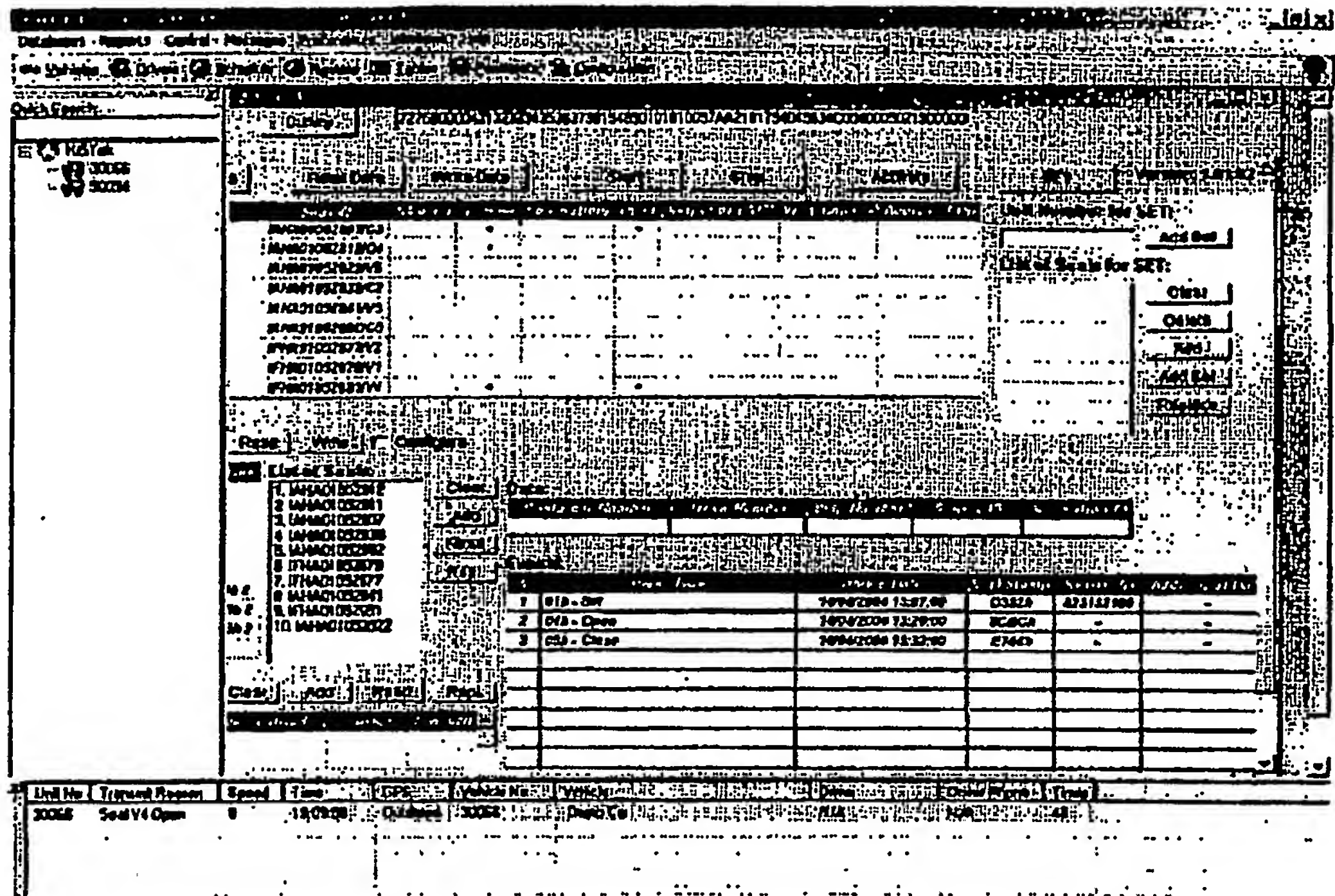


FIG - 6